

**WORLD RESOURCES COMPANY****TeleFax Transmittal Sheet****To:** Gerald Thompson**From:** Rachael Piergallini**Total Pages**
(including this page)**Co:** Alaskan Copper**World Resources Company**

8113 West Sherman Street

Phoenix, AZ 85043

Fax - 602/936-9164

Fax No: 206/382-4309**Date:** 2/7/97**IF ALL PAGES OF THIS FAX ARE NOT RECEIVED, CALL (602) 233-9166**

Jerry,

OK, here is a copy of invoice #1519214 for \$5,695.90 for the drums, and #9002128 for the yearly profile. I'll check into getting both streams invoiced on one bill and give you a call when I find out. Hang in there!

Rachael Piergallini
Accountant

EMERGENCY RESPONSE**FIRE****Small Fires**

Dry chemical, CO2, water spray or regular foam.

Large Fires

Water spray, fog, or regular foam.

Move containers from fire area if you can do it without risk.

Do not scatter spilled material with high pressure water streams.

Dike fire-control water for later disposal.

Fire Involving Tanks

Cool containers with flooding quantities of water until well after fire is out.

Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

ALWAYS stay from ends of tanks.

SPILL OR LEAK

Do not touch or walk through spilled material.

Stop leak if you can do it without risk.

Prevent dust cloud.

Avoid inhalation of asbestos dust.

Small Dry Spills

With clean shovel place material into clean, dry container and cover loosely; move containers for later disposal.

Large Spills

Dike far ahead of liquid spill for later disposal.

Cover powder spill with plastic sheet or tarp to minimize spreading.

Prevent entry into waterways, sewers, basements or confined areas.

FIRST AID

Move victim to fresh air. Call emergency medical care.

Apply artificial respiration if victim is not breathing.

Administer oxygen if breathing is difficult.

Remove and isolate contaminated clothing and shoes.

In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

POTENTIAL HAZARDS**FIRE OR EXPLOSION**

Some may burn but none ignite readily.

Some may polymerize (P) explosively when heated or involved in a fire.

Containers may explode when heated.

Some may be transported hot.

HEALTH

Inhalation of material may be harmful.

~~First Aid~~ Contact may cause burns to skin and eyes.

Inhalation of asbestos dust may have a damaging effect on the lungs.

Fire may produce irritating, corrosive and/or toxic gases.

Runoff from fire control may cause pollution.

PUBLIC SAFETY

CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer,

CALL CHEMTREC AT 1-800-424-9300

Isolate spill or leak area immediately for at least 10 to 25 meters (30 to 80 feet) in all directions.

Keep unauthorized people away.

Stay upwind.

PROTECTIVE CLOTHING

Wear positive pressure self-contained breathing apparatus.

Structural firefighters' protective clothing will provide limited protection.

EVACUATION

If water pollution occurs notify appropriate authorities.

FIRE

If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions, also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

NOTICE

TO: World Resource Company
8112 West Sherman Street
Phoenix, Arizona 85043

From: Alaskan Copper Works
628 South Hanford Street
Seattle, Washington 98134

SUBJECT: Land Disposal Restriction Notice

Manifest Number: 96006

Date of Shipment: 11-22-96

This shipment of material, which is being provided for recycling, is subject to the land disposal restrictions of 40 CFR, Part 268, Subpart D or the prohibitions specified in 268.32 or RCRA 3004(d). The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR 268.7 and is shown below:

EPA Material Number	Regulated Constituent	Subcategory	Treatability Group	Treatment Standards	
				CFR Reference	Prohibition Level
F006	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43	---

By: Gerald A. Thompson
Alaskan Copper Environmental Assistant

NOTICE

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8112 West Sherman Street
Phoenix, Arizona 85043

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D007	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43	---

By: Gerald A. Thompson
Alaskan Copper Environmental Assistant

Material Safety Data Sheet

F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

World Resources Company
8113 West Sherman Street
Phoenix, Arizona 85043
Tele: 1-602-233-9166 Fax: 602-936-9164

Issued: 8/7/90
Revised: 9/15/93 - DLS

Call CHEMTREC only in the event of
emergencies during shipping that
involve a spill, leak, fire, or accident
(all calls are recorded)

For Emergencies During Shipping in
the US or Canada, Day or Night,
Call: CHEMTREC 800-424-9300
(Use Chemtrec Company Code "WORR")
For calls from other countries call:
202-483-7616 Collect

Section 1

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge
Environmental Protection Agency (EPA) Waste Classification: F006
Chemical Family: Metallic (Hydroxide) Precipitates
Synonym: Non-ferrous Metal Hydroxide Filter Cake

PRODUCT - MATERIAL IDENTIFICATION

DOT Shipping Name: RQ, Hazardous waste, solid, n.o.s., (F006)
DOT Hazard Class: 9 Packaging Group III
DOT Identification Number: NA 3077
DOT Emergency Response Guide 31 Applies

Section 2

HAZARDOUS INGREDIENTS

Ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology: (rat, oral)
Copper Hydroxide	20427-59-2	0-30	1.0 mg/m ³ (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0-15	1.0 mg/m ³ (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0-15	5.0 mg/m ³ (Dust)	LD-50 7,340 mg/kg
Diatomaceous Earth	68855-54-9	0-10	6.0 mg/m ³ (Dust)	LD-50 3,160 mg/kg

Section 3

PHYSICAL AND REACTIVITY DATA

Description: Solid, Clay-like Clumps,
Gray/Green to Brown,
Water Content 30-80%

Specific Gravity: 1 to 1.4
Solubility: Insoluble in water

Density: 64 to 90 lbs/cu/ft
Incompatible Reactivity: None Known
Vapor Pressure: Insignificant
Stability: Avoid contact with acids
Polymerization: Will not occur

Boiling Point: Above 2600°C
Melting Point: Above 1800°C
pH: 7.0 to 10.0
Odor: Nil

Section 4

FIRE AND EXPLOSION DATA

Flashpoint: Nonflammable
Special Firefighting Procedures: None
Product Decomposition: (Due to Fire or Explosion): None

Oxidation: Non-oxidizing
Explosive: Non-explosive

NFPA
Fire Diamond



Section 5

TOXICITY

Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide)

Route of Entry: Inhalation and Ingestion

Section 6

HEALTH EFFECTS AND FIRST AID

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

Section 7

PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

Section 8

CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required.
Other Protective Equipment: Coveralls are recommended, but not required.

Eye Protection: Safety Glasses recommended.
Hand Protection: Gloves recommended.

Section 9

GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 46006 Telephone: (206) 623-5880 Date: 11-22-96

Company Name and Address: Alaskan Copper Works 628 sixth ave. south
Seattle WA 98134

Signature:

AZF-WRC 9/93

AKC-0018035

Material Safety Data Sheet

D007 Recyclable Material

Recycler's Facility Name and Site Address:

World Resources Company
8113 West Sherman Street
Phoenix, Arizona 85043
Tel: 1-602-233-9166 Fax: 602-936-9164

Issued: 3/18/94

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For Emergencies During Shipping in
the US or Canada, Day or Night,
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(Use CHEMTREC Company Code "WCR")
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202-483-7616 Collect

Section 1

PRODUCT - MATERIAL IDENTIFICATION

Environmental Protection Agency (EPA) Waste Classification: D007
Generic Name: Chromium metal bearing sludge
Chemical Family: Non-Ferrous metal particulates
Synonym: Metallic Residues From High Frequency Burning Table

DOT Shipping Name: RQ, Hazardous Waste, Solid, n.o.s. (D007)
DOT Hazard Class: 9 ; **Packing Group:** III
DOT Identification Number: NA 3077
DOT Emergency Response Guide 31 Applies

Section 2

HAZARDOUS INGREDIENTS

Ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology:
Aluminum	7429-90-5	0-5	10 mg/m ³	No Data Available
Chromium	7440-47-3	0-15	0.5 mg/m ³	2.75 mg/kg (Rat, Oral)
Copper	7440-50-8	0-10	1.0 mg/m ³	0.35 mg/kg (Mouse, Oral)
Nickel	7440-02-0	0-10	1.0 mg/m ³	No Data Available
Zinc	7440-66-6	0-5	none established	No Data Available

Section 3

PHYSICAL AND REACTIVITY DATA

Description: Moist, Sandy consistency
Brown to Black colored
Water Content 10-20% by weight
Specific Gravity: 2.0 to 3.0
Solubility: Insoluble in water

Density: 100 to 150 lbs/cu/ft
Incompatible Reactivity: Extreme heat sources,
Oxidants
Vapor Pressure: Insignificant
Stability: Avoid contact with acids, extreme heat

Polymerization: Will not occur
Boiling Point: Above 2000°C
Melting Point: Above 1000°C
pH: 7.0 to 10.0
Odor: Nil

Section 4

FIRE AND EXPLOSION DATA

Flashpoint: Nonflammable, under normal conditions
Special Firefighting Procedures: Dry Chemical
Product Decomposition... (Due to Fire or Explosion): Hydrogen gas, ZnO (under extreme external heat)

Oxidation: Non-oxidizing
Explosive: Non-explosive

NFPA
Fire Diamond



Section 5

TOXICITY

Listed Carcinogen component: Chromium, Nickel **Toxicology:** See Sec. 2 (Chromium, Nickel) **Route of Entry:** Inhalation and Ingestion

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Company Name and Address: Alaskan Copper Works 628 Hanford st. Seattle Wa 98134

Signature: [Signature]



WORLD RESOURCES COMPANY

8113 West Sherman Street
Phoenix, AZ 85043-3000

Tel: 602.233.9166
Fax: 602.936.9164

DEC 3 1990

Mr. Gerald A. Thompson
Alaskan Copper Works
628 South Hanford Street
Seattle, Washington 98134

Dear Jerry:

Enclosed is the appropriate copy of the Uniform Hazardous Waste Manifest and the weigh ticket resulting from the transfer of the recyclable materials by your company to World Resources Company (WRC) and the transportation of these recyclable materials to the WRC Recycling Facility in Arizona for the purpose of recovering the metal values therein.

Sincerely,

WORLD RESOURCES COMPANY

Manifest Coordinator

Enclosures